

APPROVED	C 3 FIG.	
BY	CLAS:	SUBCLAS:
DRAFTSMAN		

Title: TIME-BASED MODELING
Inventor: Jonathan M. FRIEDMAN and Flynn D. FRIEDMAN
Application No.: 09/182,101
Docket No.: 410862000100

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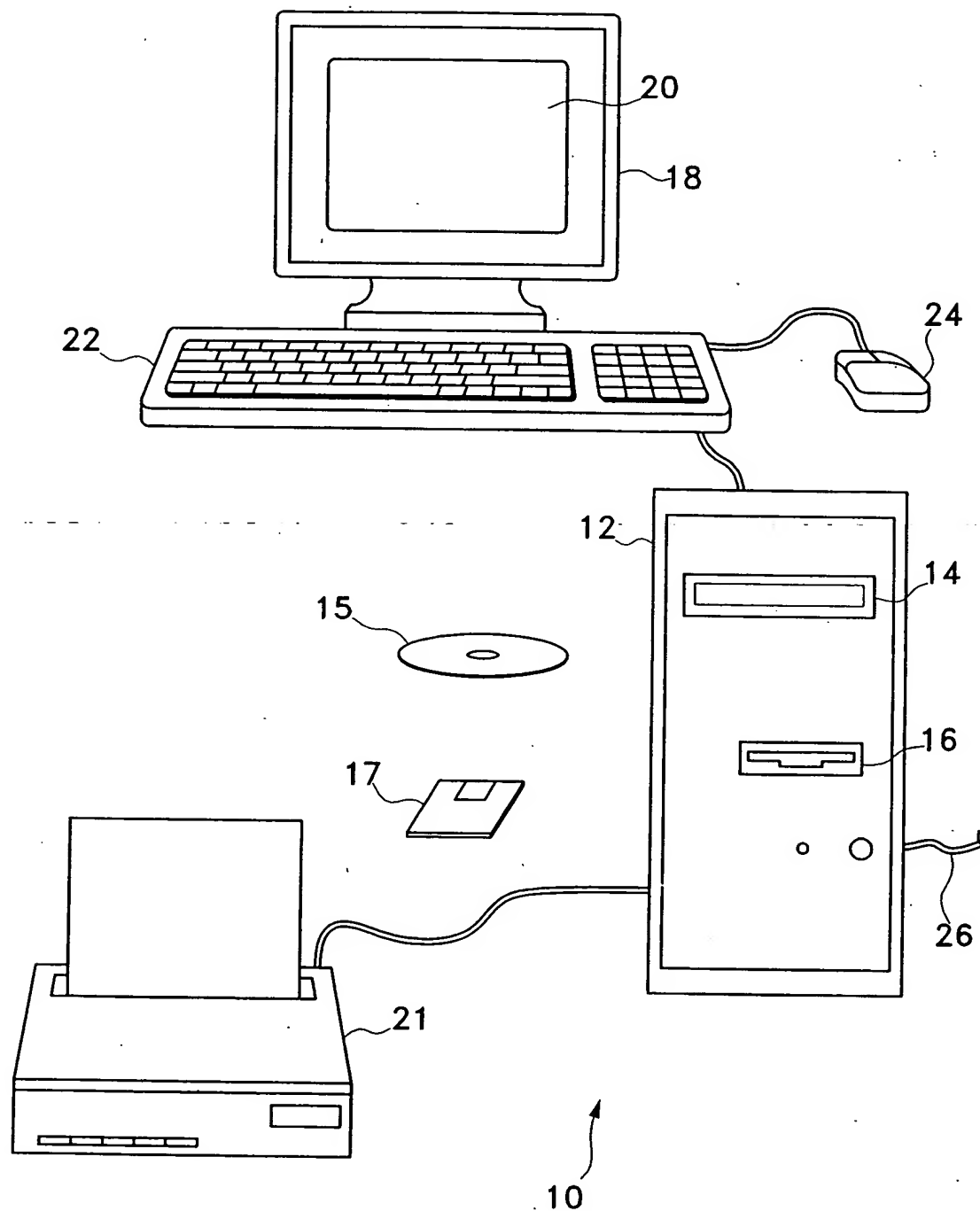
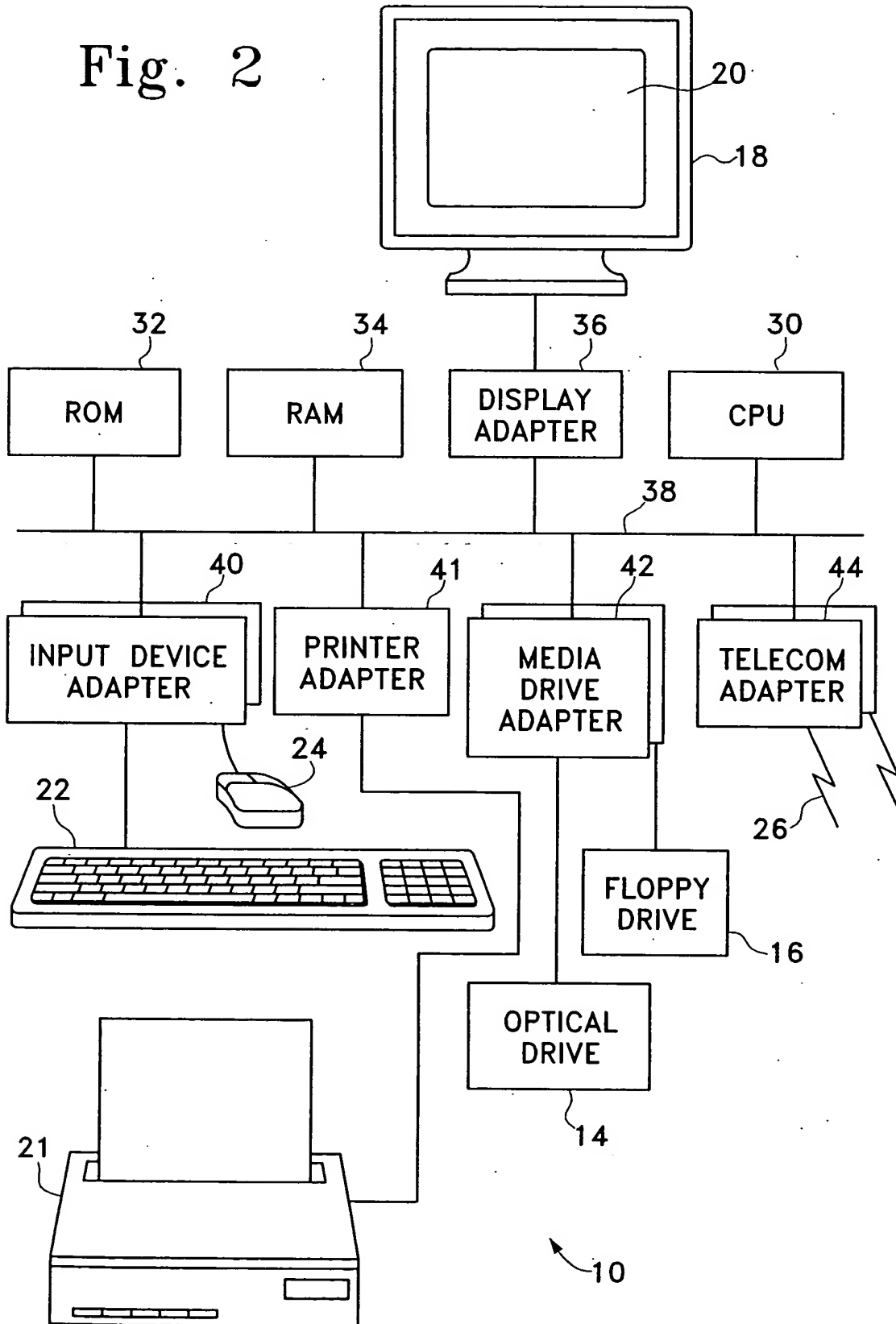
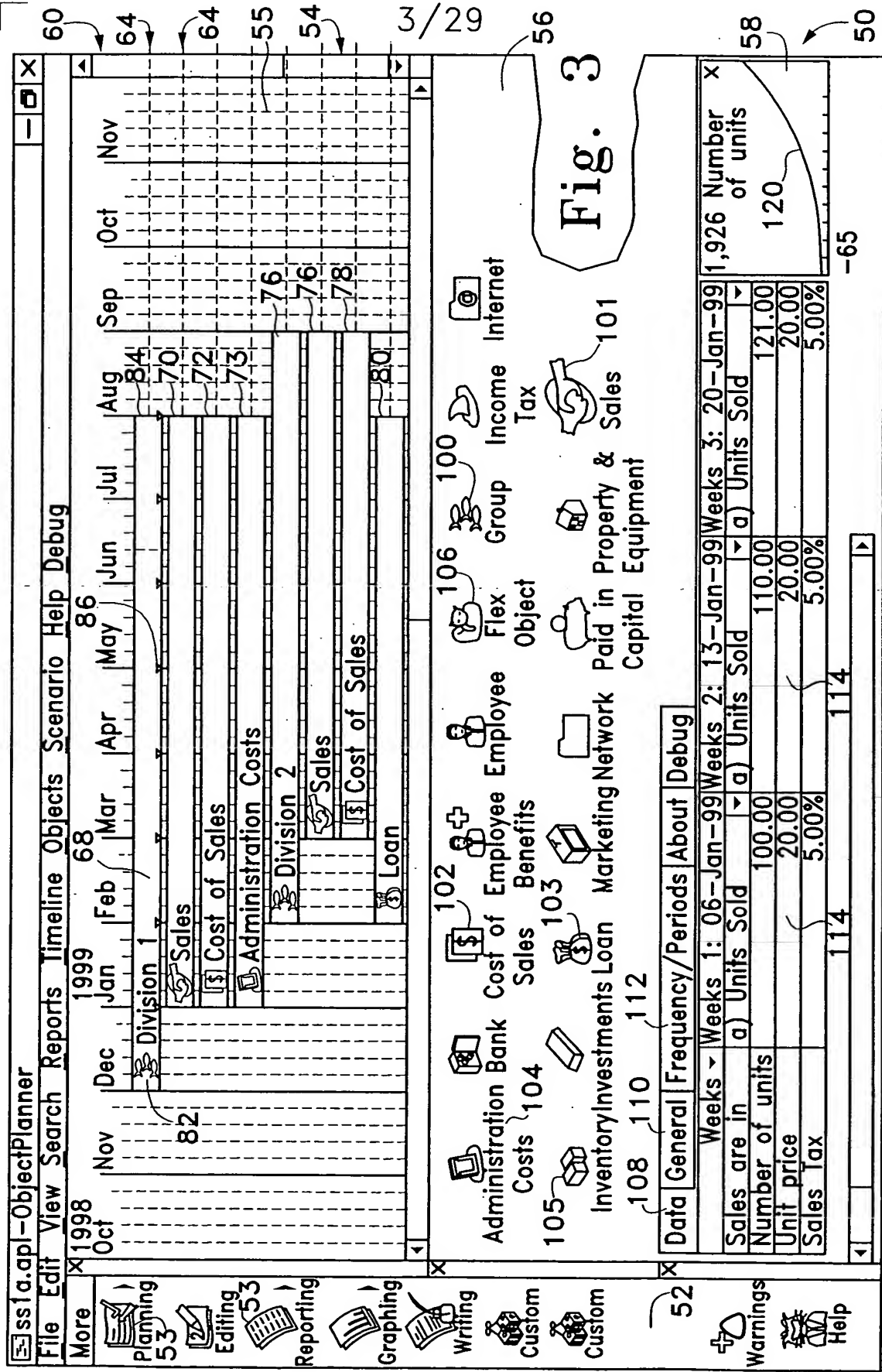


Fig. 1

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Fig. 2





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ss1.a.pl - ObjectPlanner

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More

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- Custom
- Custom
- Warnings
- Help

Object	Start Date	Duration	End Date	Frequency
Division 1	December 01, 1998	8 months	July 30, 1999	Every 1 month's end
Sales	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Cost Sales	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Administration	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Division 2	February 01, 1999	7 months	August 31, 1999	Every 1 month's end
Sales	March 01, 1999	6 months	August 31, 1999	Every 1 month's end
Cost Sales	March 01, 1999	6 months	August 31, 1999	Every 1 month's end
Loan	February 01, 1999	6 months	July 30, 1999	Every 1 month's end

Invoicing Periods

Every 1 Months

On End of Month

Multiple Charges

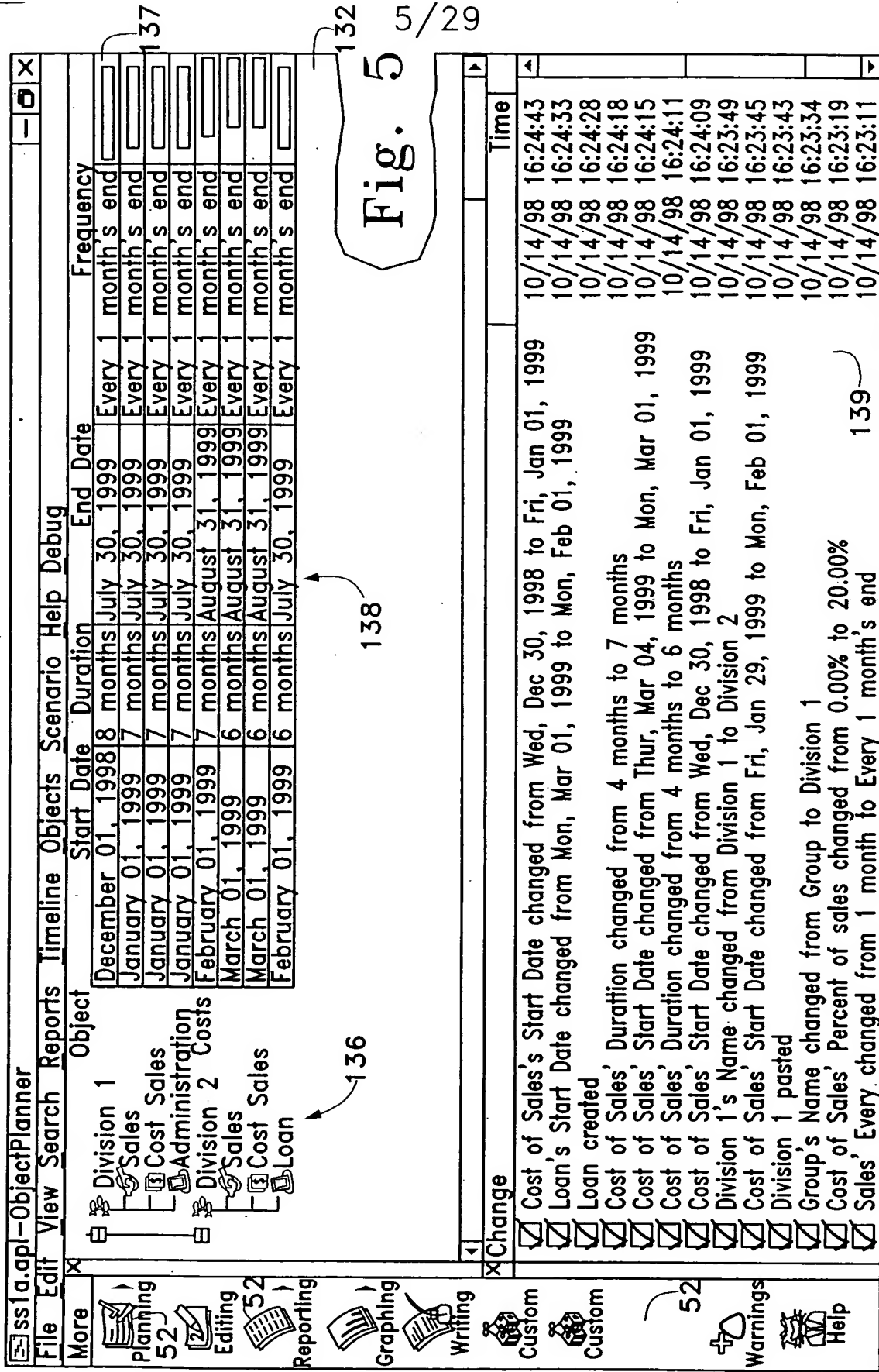
Payment Periods (Outgoing Cash)

0 days	20.00%
30 days	30.00%
60 days	10.00%
90 days	10.00%
120 days	30.00%
Uncollected	20.00%

Collection Periods (Incoming Cash)

0 days	20.00%
30 days	30.00%
60 days	0.00%
90 days	10.00%
120 days	40.00%
Unpaid	0.00%

Fig. 4



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ss1a.apl-ObjectPlanner											
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Custom											
Custom											
52											
Warnings											
Help											
My Business											
INCOME FORECAST											
FOR THE PERIOD ENDED Friday, September 29, 2000											
29-Jan-99 26-Feb-99 31-Mar-99 30-Apr-99 31-May-99 30-Jun-99 30-Jul-99											
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
REVENUE	300.00	270.00	243.00	218.70	196.83	177.15	159.43				
Division 1 Sales			673.49	1,037.50	1,449.95	2,223.97	3,581.72				
Division 2 Sales											
TOTAL REVENUE	\$300.00	\$270.00	\$916.49	\$1,256.20	\$1,646.78	\$2,401.11	\$3,741.15				
COST OF GOODS AND SERVICES	60.00	54.00	183.30	251.24	329.36	480.22	748.23				
Cost of materials			2,500.00	2,500.00	2,500.00	2,500.00	2,500.00				
Production payroll											
Direct costs											
TOTAL COST OF SALES	\$60.00	\$2,554.00	\$2,683.30	\$2,751.24	\$2,829.36	\$2,980.22	\$3,248.23				
GROSS PROFIT	\$240.00	(\$2,284.00)	(\$1,766.81)	(\$1,495.04)	(\$1,182.57)	(\$579.11)	\$492.92				
TOTAL ADMINISTRATION EXPENSES	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00				
TOTAL OPERATING EXPENSES	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00				
NET INCOME	\$95.00	(\$2,429.00)	(\$1,911.81)	(\$1,640.04)	(\$1,327.57)	(\$724.11)	\$347.92				
CUMULATIVE NET INCOME	\$95.00	(\$2,334.00)	(\$4,245.81)	(\$5,885.85)	(\$7,213.43)	(\$7,937.54)	(\$7,589.61)				

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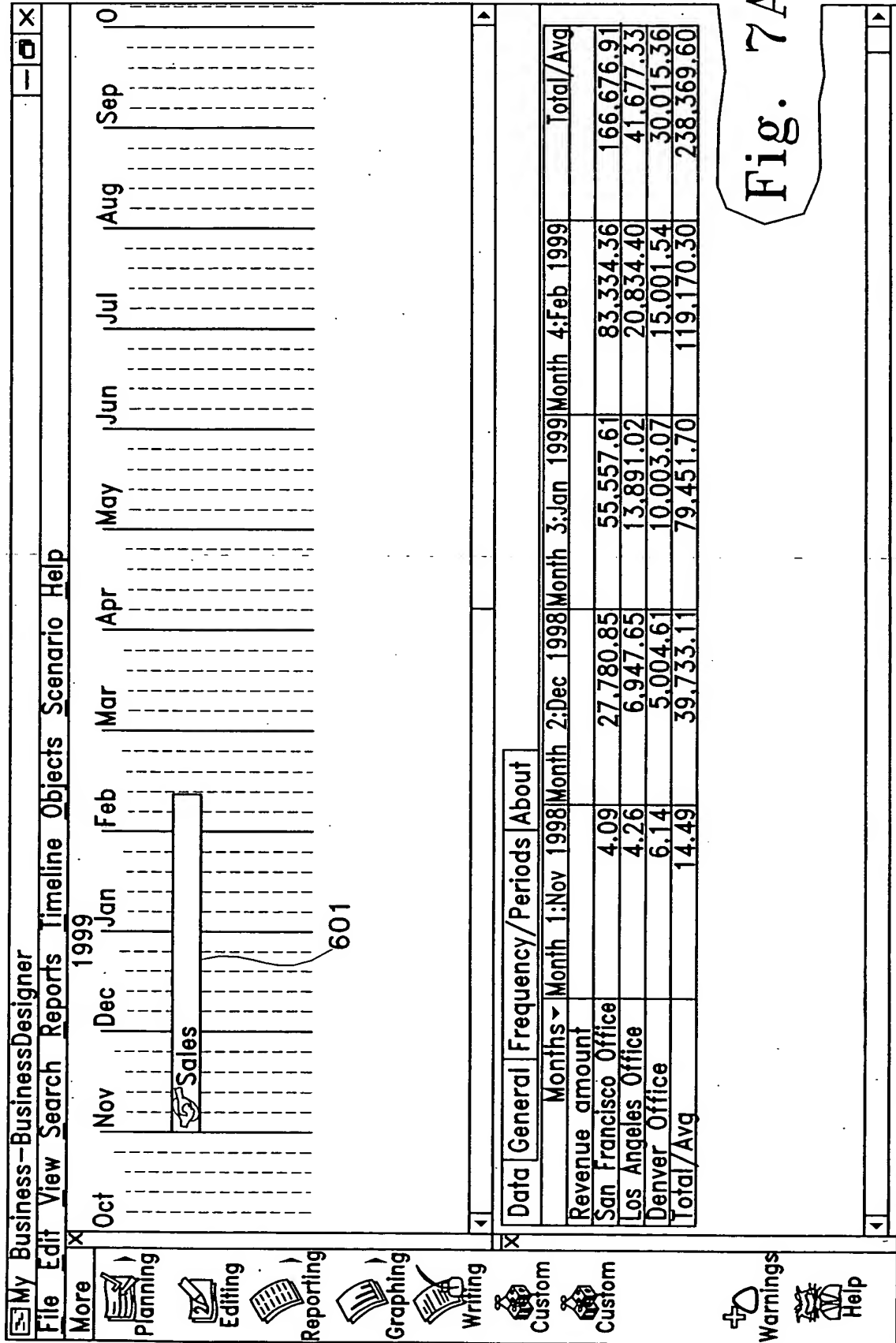


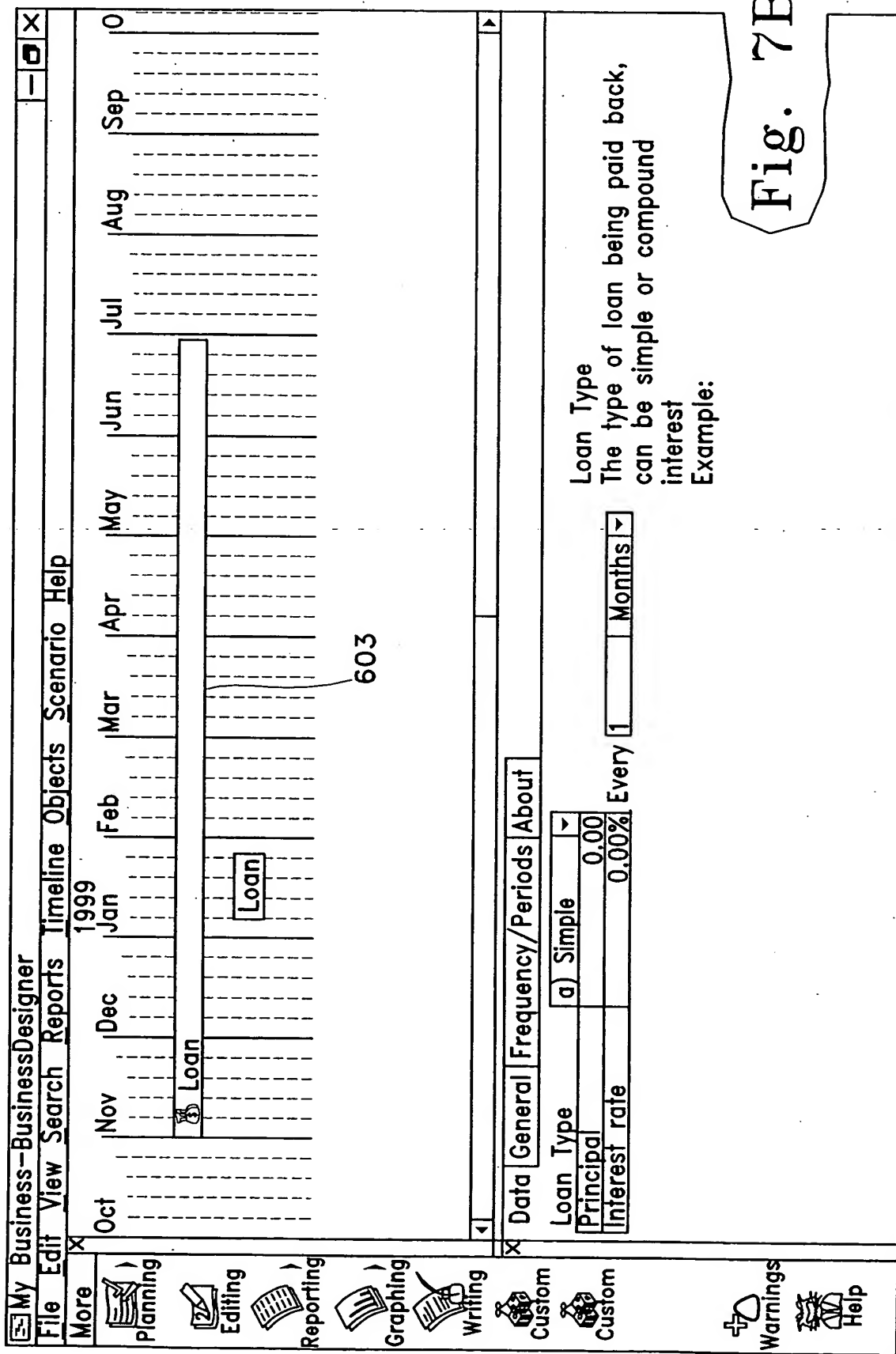
Fig. 7A

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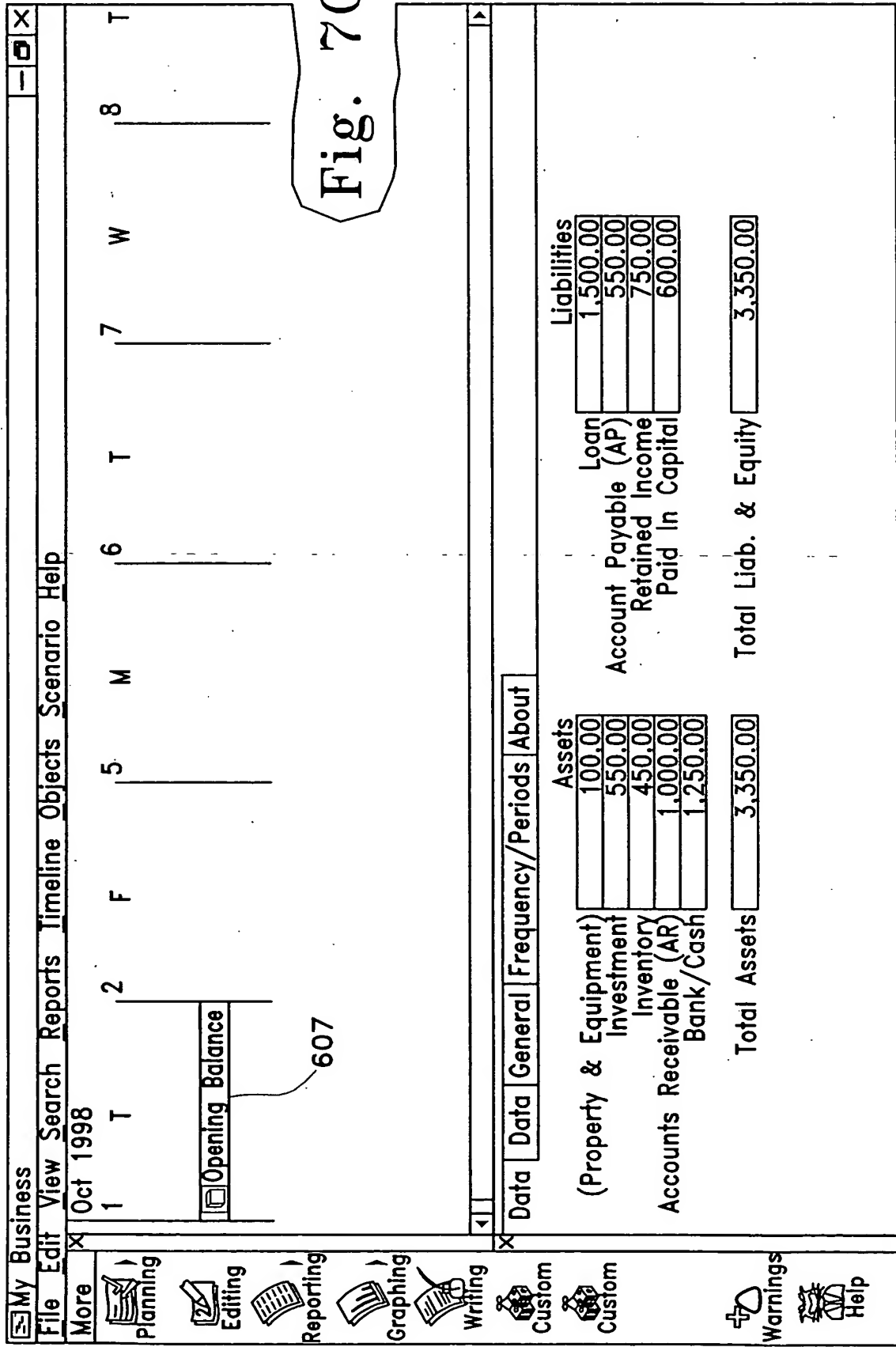
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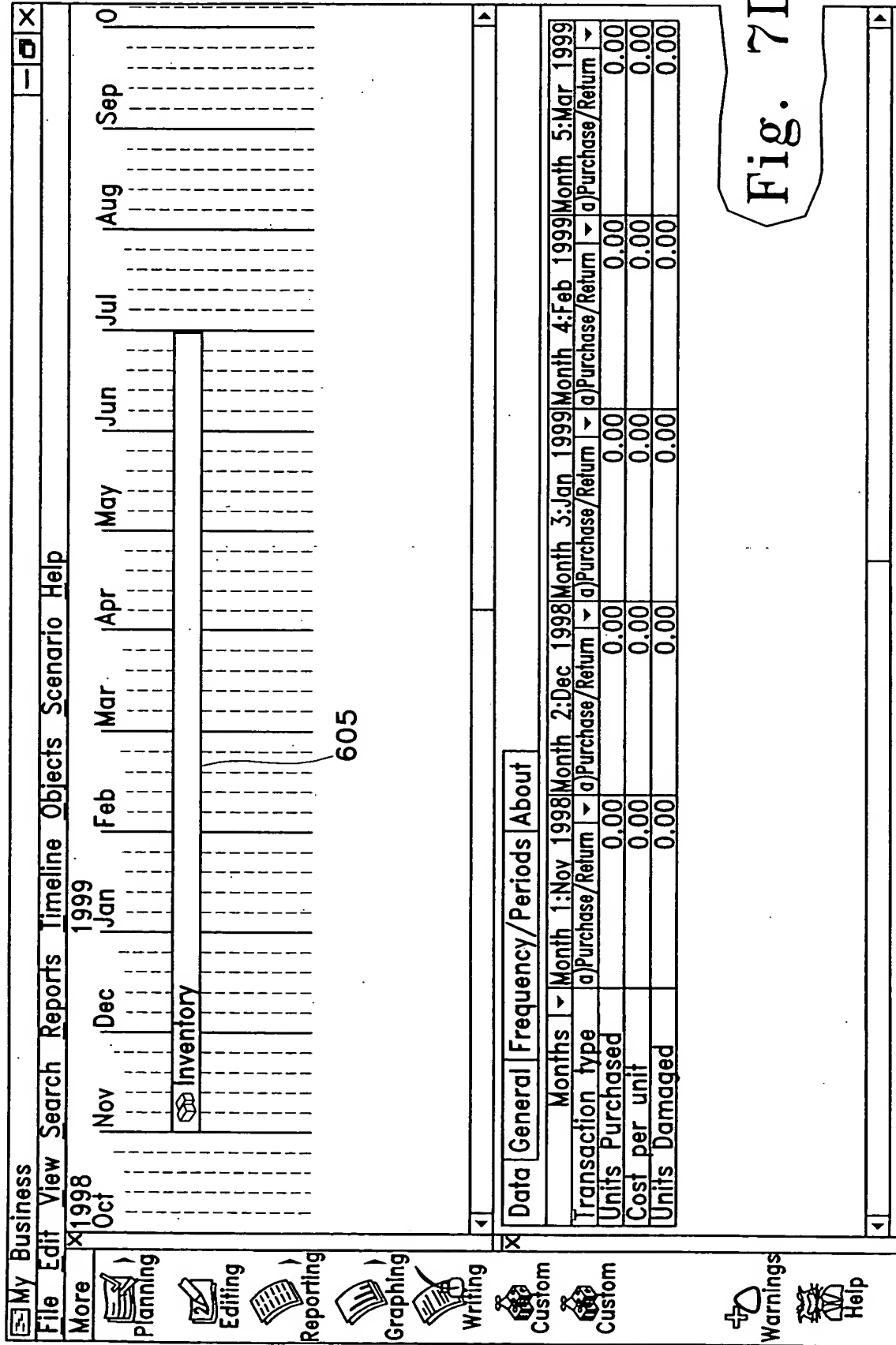
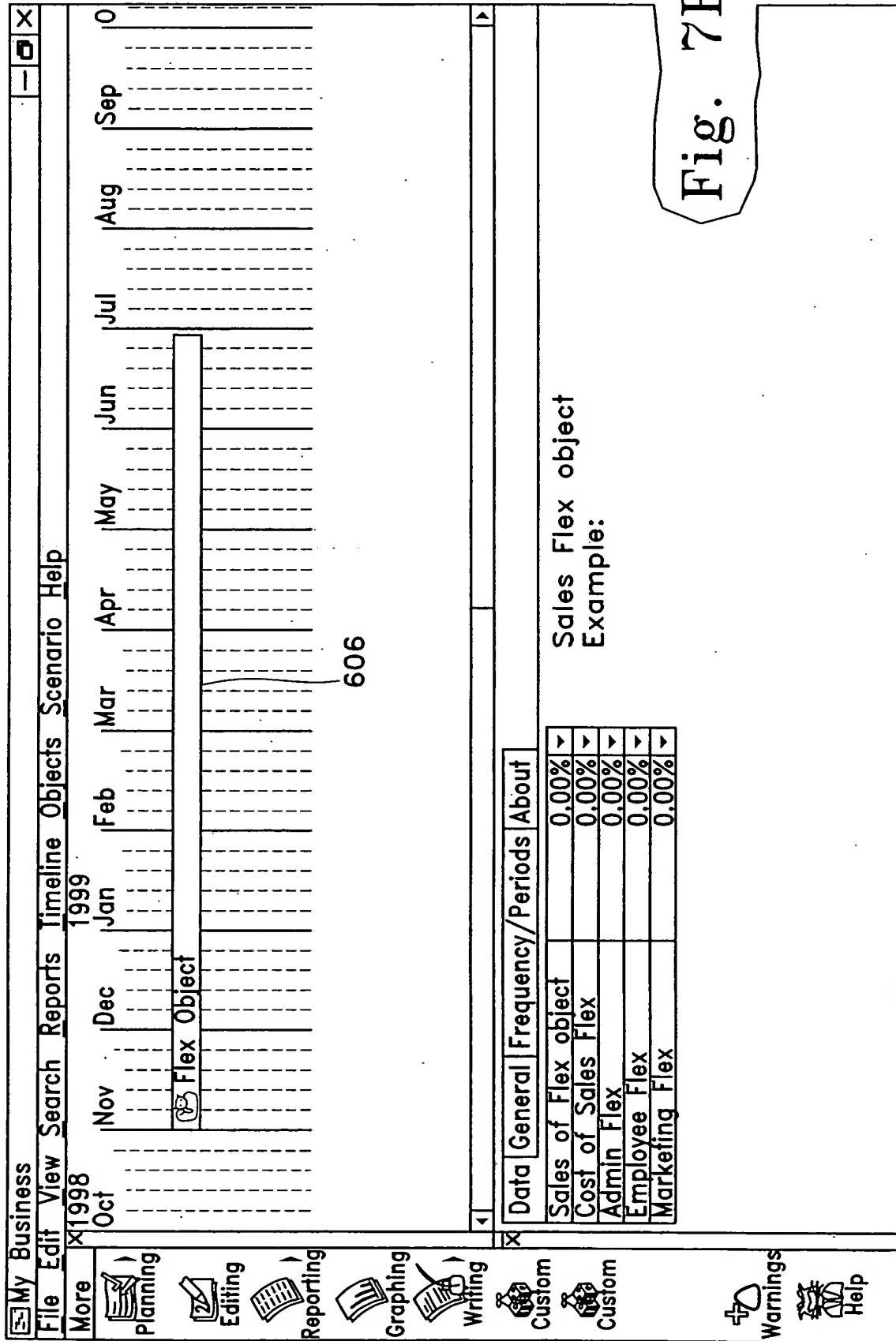


Fig. 7D

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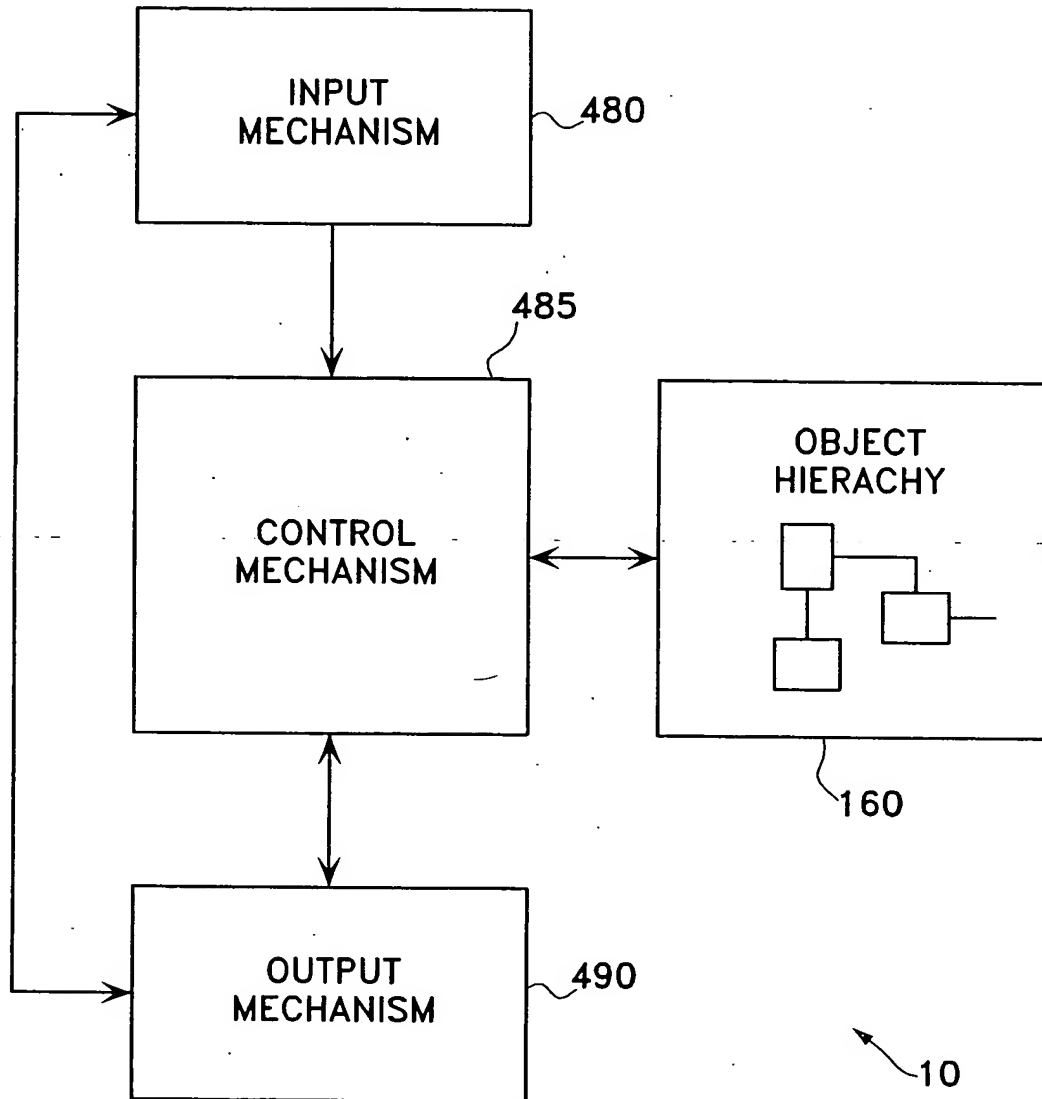


Fig. 8

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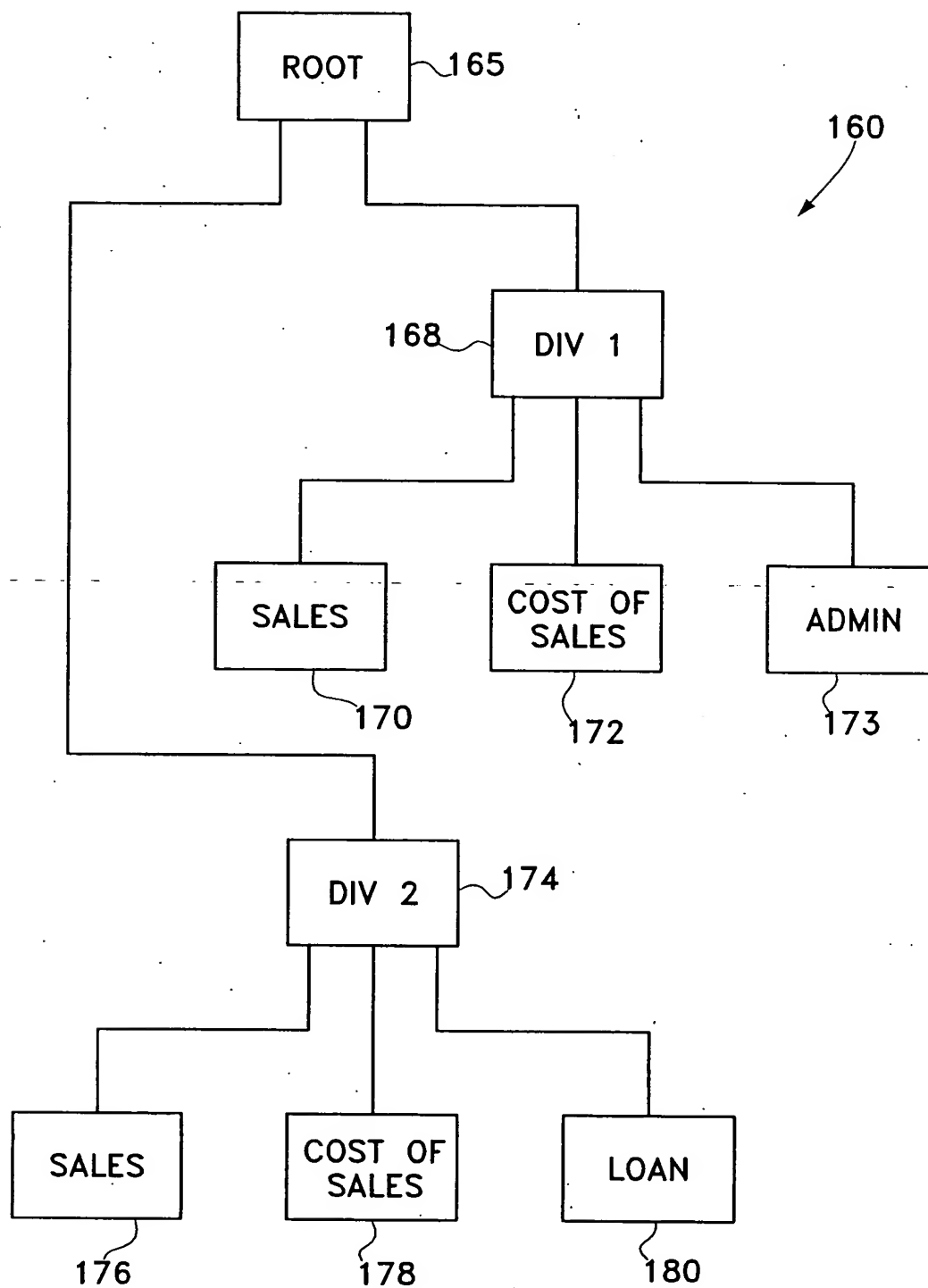
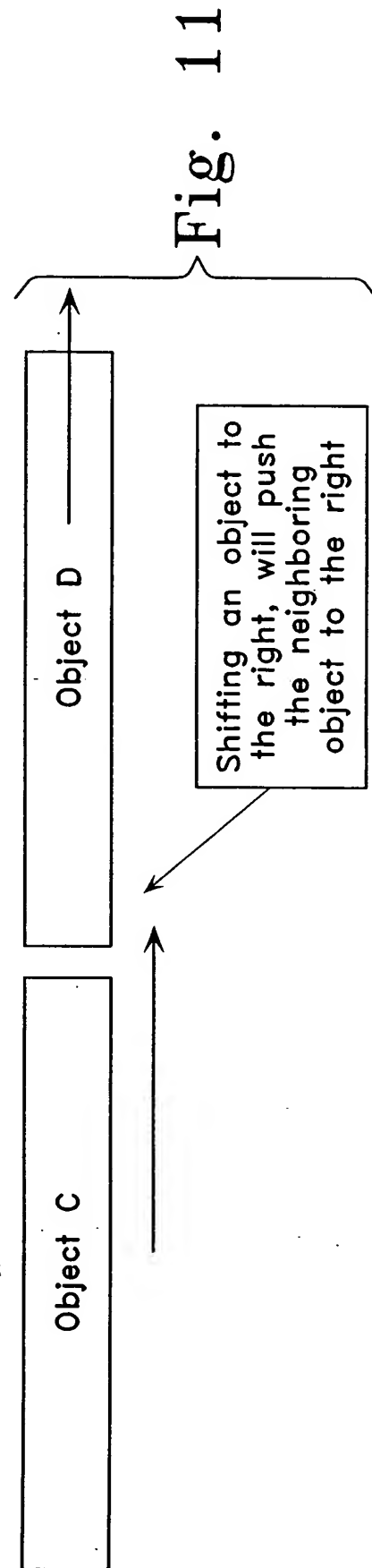
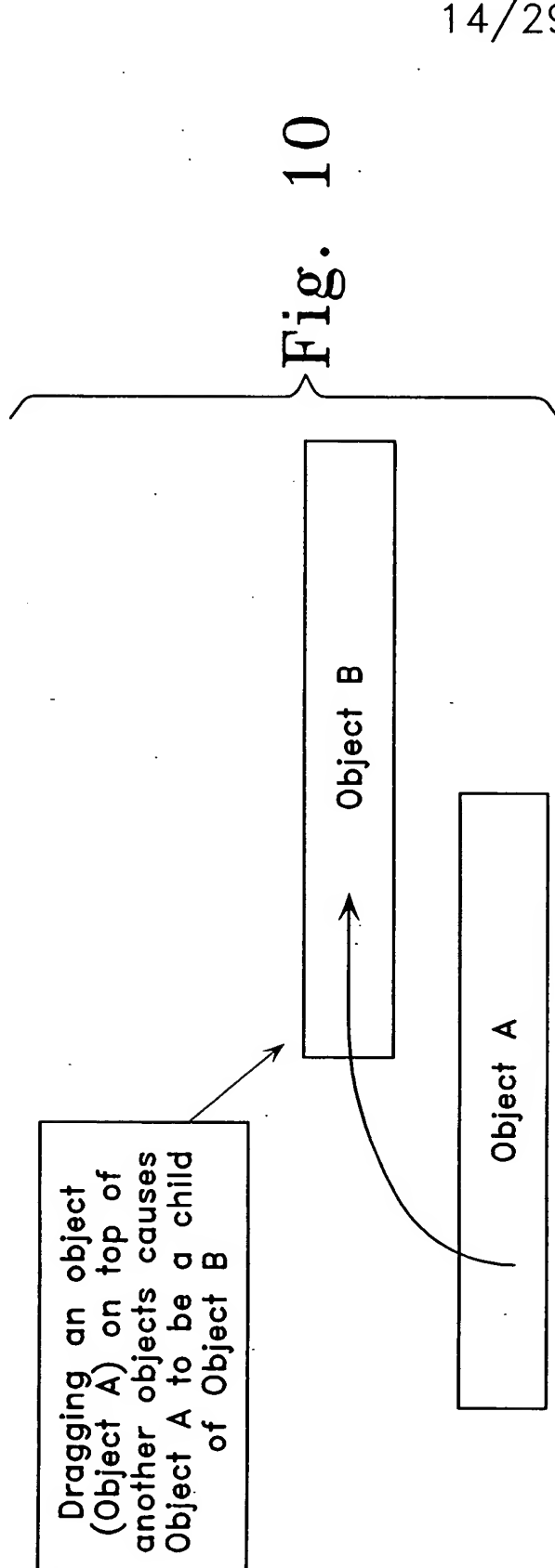


Fig. 9

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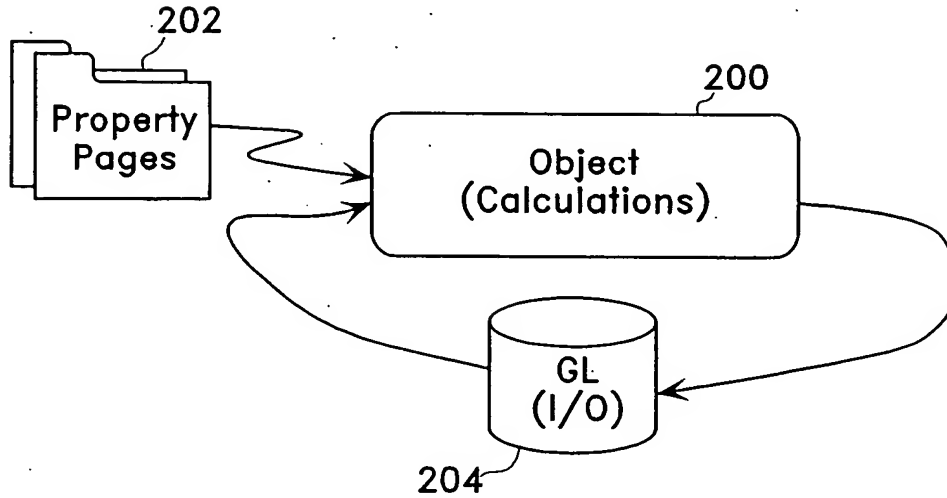


Fig. 12

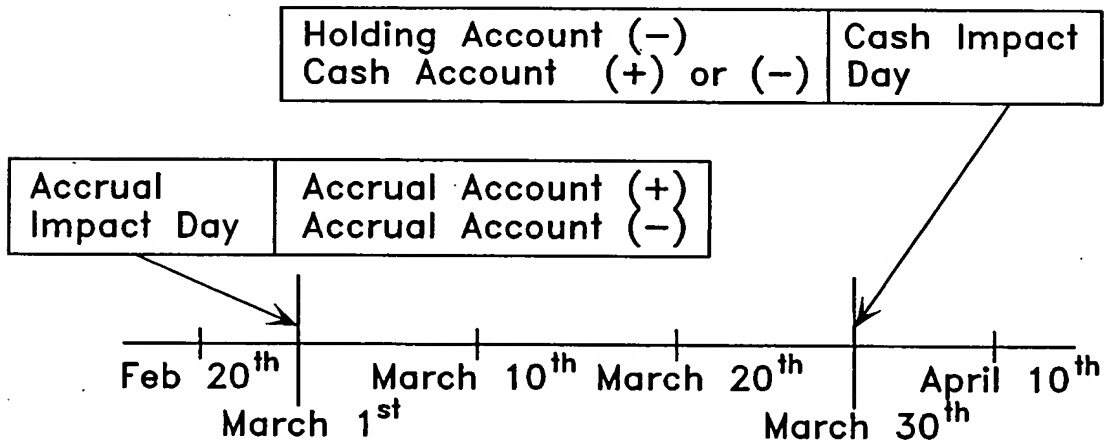


Fig. 13

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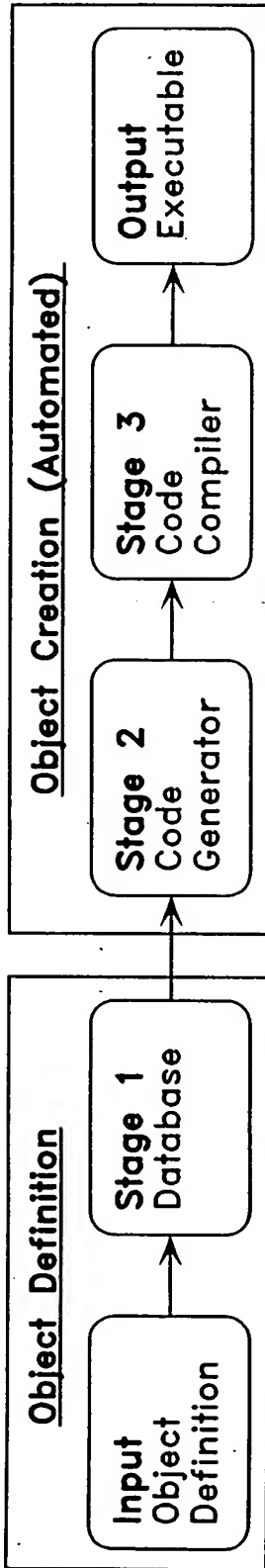


Fig. 14

Property Entry		Comments Who/When
Property ID	szCostOutput	Usage Example: The company could pay \$10.00 (cost of materials) for fabric and \$5.00 (direct cost) to ship the materials Keywords: BOD Notes:
Capiton	Type of Cost	
Description	The type of cost being recorded.	
String List	a) Materials; b) Direct Cost	
Type	String List	
Multiple Items	Sum	
<input checked="" type="checkbox"/> Format as Currency <input type="checkbox"/> Format as Percentage <input type="checkbox"/> Is this a global property		

Property List

Fig. 15

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Account Entry

Account Name

Trade

Remember you specify the "prefix" in the relations tab and not as part of the "Account Name"

Caption

Sales

Description

Total Sales for all products

Rep Order

5330

Type

Account

☒ Format as Currency
☐ Format as Percentage
☐ On reports default to account change

Relations

Comments

Who/When

Account Prefix

rv

cf

ar

*

Direction

Increase

Increase

Increase

Increase

Parent

arReceivable

cfRevenue

rvRevenue

Child

arTrade

cfTrade

rvTrade

Fig. 16

Chart of Accounts			
id		Parent ID	Child ID
Contribution Mode			
315	acInventoryCount	acInventoryCountPurchase	Add
916	acInventoryCount	acInventoryCountSale	Add
924	acInventoryCount	acInventoryCountWriteOff	Add
894	bsLiabilityLongTerm	acPrincipleOutstanding	Add
878	acStaff	acStaffAdmin	Add

Fig. 17

APPROVED	O.G. FIG.	
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Object

- [X]

Name

Sales

Lookup...

Calculations

Input Details

Criteria

User Notes

Development

Notes

Children

Input Summary

Property ID	Order	Caption	Default	Read Only	Show
s:SalesType	1	Sales are in:	b) Dollars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f:NumSale	2	Number of units		<input type="checkbox"/>	<input checked="" type="checkbox"/>
f:UnitPrice	3	Unit price		<input type="checkbox"/>	<input checked="" type="checkbox"/>
f:RevenueAmount	5	Revenue amount		<input type="checkbox"/>	<input checked="" type="checkbox"/>
f:SalesTax	6	Sales Tax		<input type="checkbox"/>	<input checked="" type="checkbox"/>
f:MarketingSalesType	100	Resulting Sales based on:	0	<input type="checkbox"/>	<input type="checkbox"/>
	101		1	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

Calculations

Calculation Options

Description:

update the inventory on hand if this is a sale

Output Account

oclInventoryCountSale

C++ Code ☐

Equation

([szSalesType]**"a")? [=sNumSale]:0

Record:

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Record:

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Fig. 18

Maintain Properties

Print Current Object

Copy

Record: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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Input Summary				
Property ID	Order	Caption	Default	Read Only Show
szSalesType	1	Sales are in:	b) Dollars	<input checked="" type="checkbox"/>
fNumSale	2	Number of units		<input checked="" type="checkbox"/>
fUnitPrice	3	Unit Price		<input checked="" type="checkbox"/>

Fig. 18A

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Calculation	Calculation Options
Description: update the inventory on hand if this is a sale	
Output Account Equation	acInventoryCountSale ([^szSalesType]="a")?[^fNumSale]:0
Record 1 of 5	

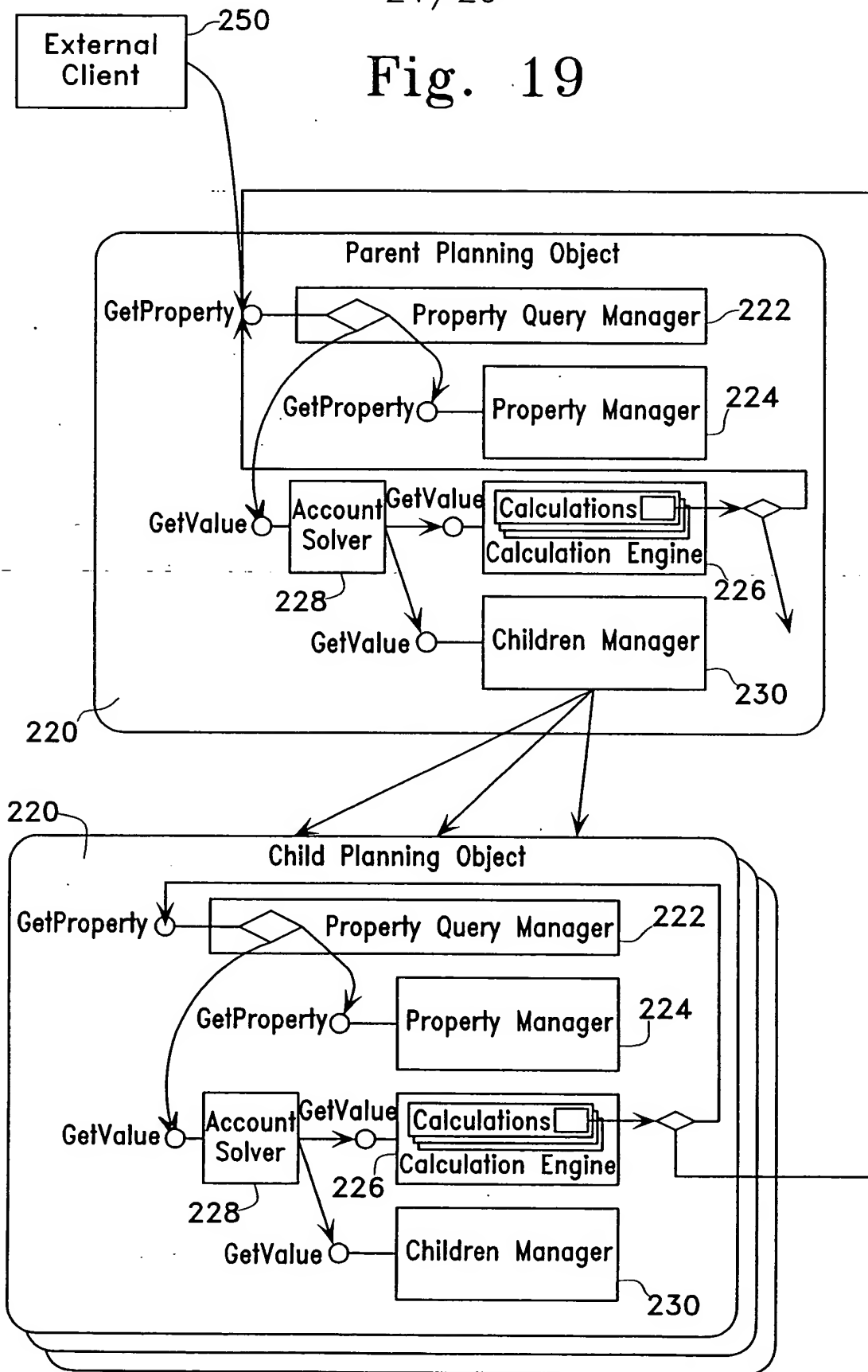
Fig. 18B

Calculation	Calculation Options
Description: update the inventory on hand if this is a sale	
Accounts effected at object	Product Segmentation
<input type="radio"/> Beginning <input checked="" type="radio"/> Regular Intervals <input type="radio"/> Specific Date	<input type="radio"/> Loop Products <input type="checkbox"/> Disable Scope Optimization <input type="checkbox"/> Skip Self
Value is time <input checked="" type="radio"/> Dependent <input type="radio"/> Independent	
Record 1 of 5	

Fig. 18C

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Fig. 19



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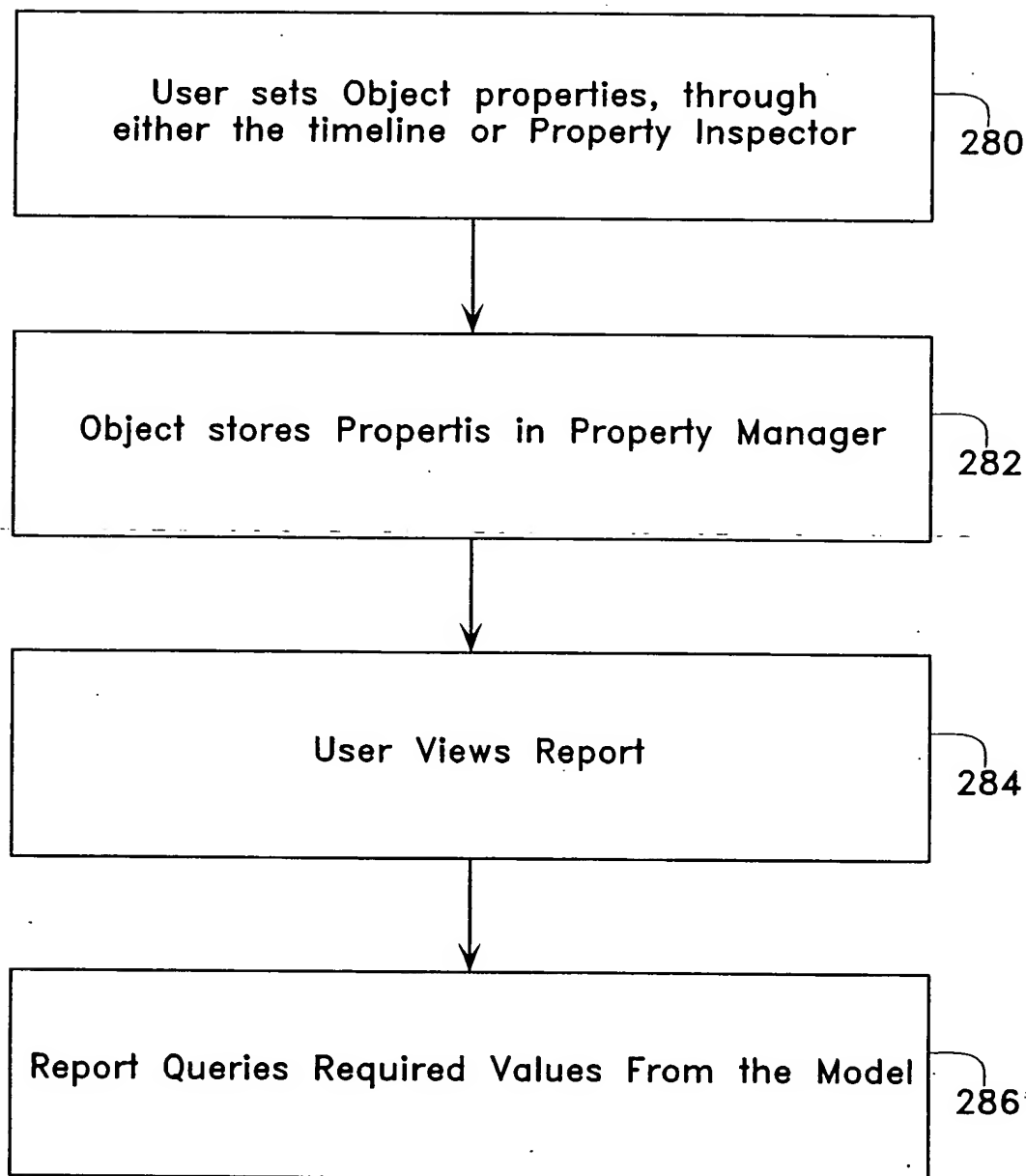


Fig. 20

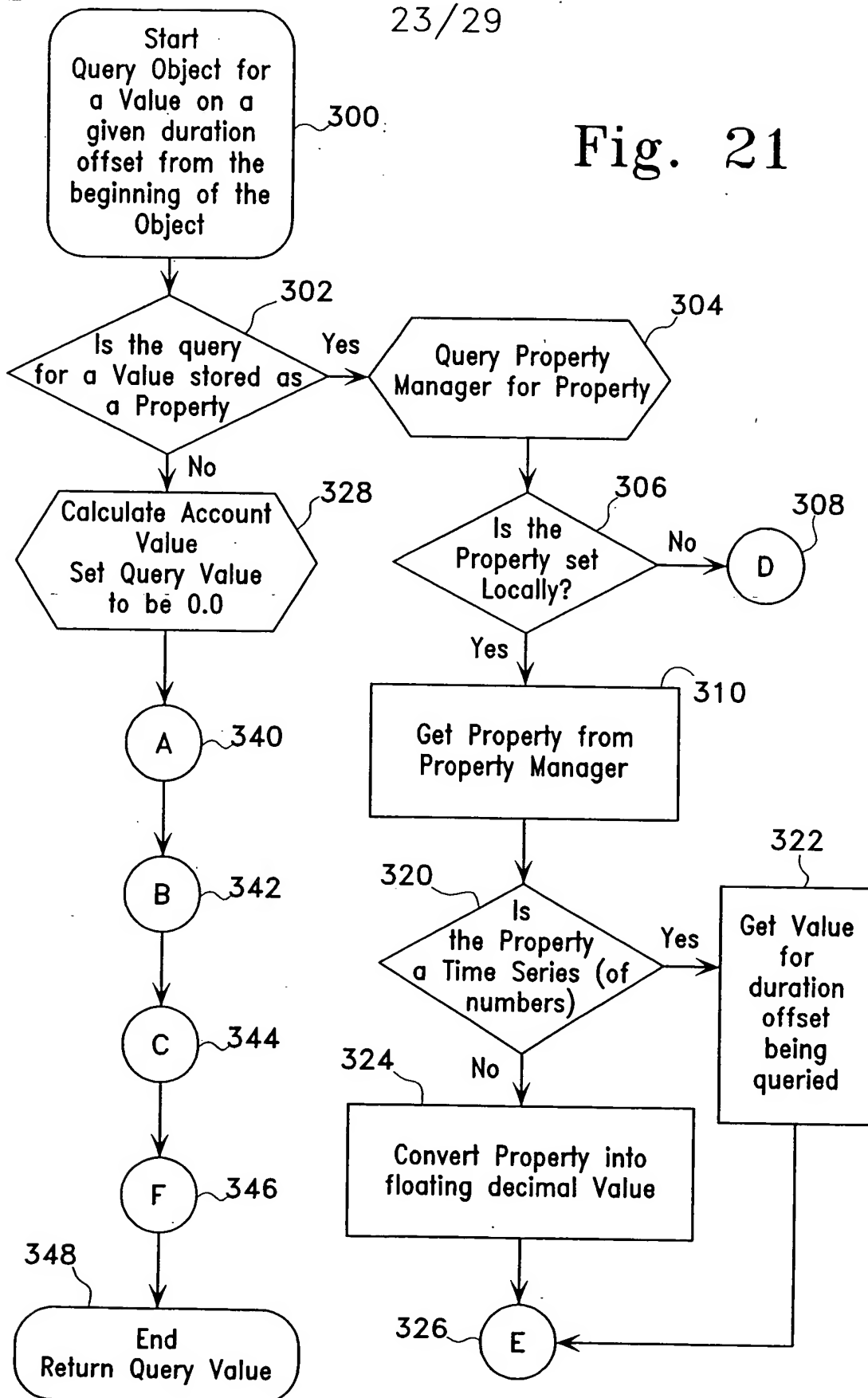
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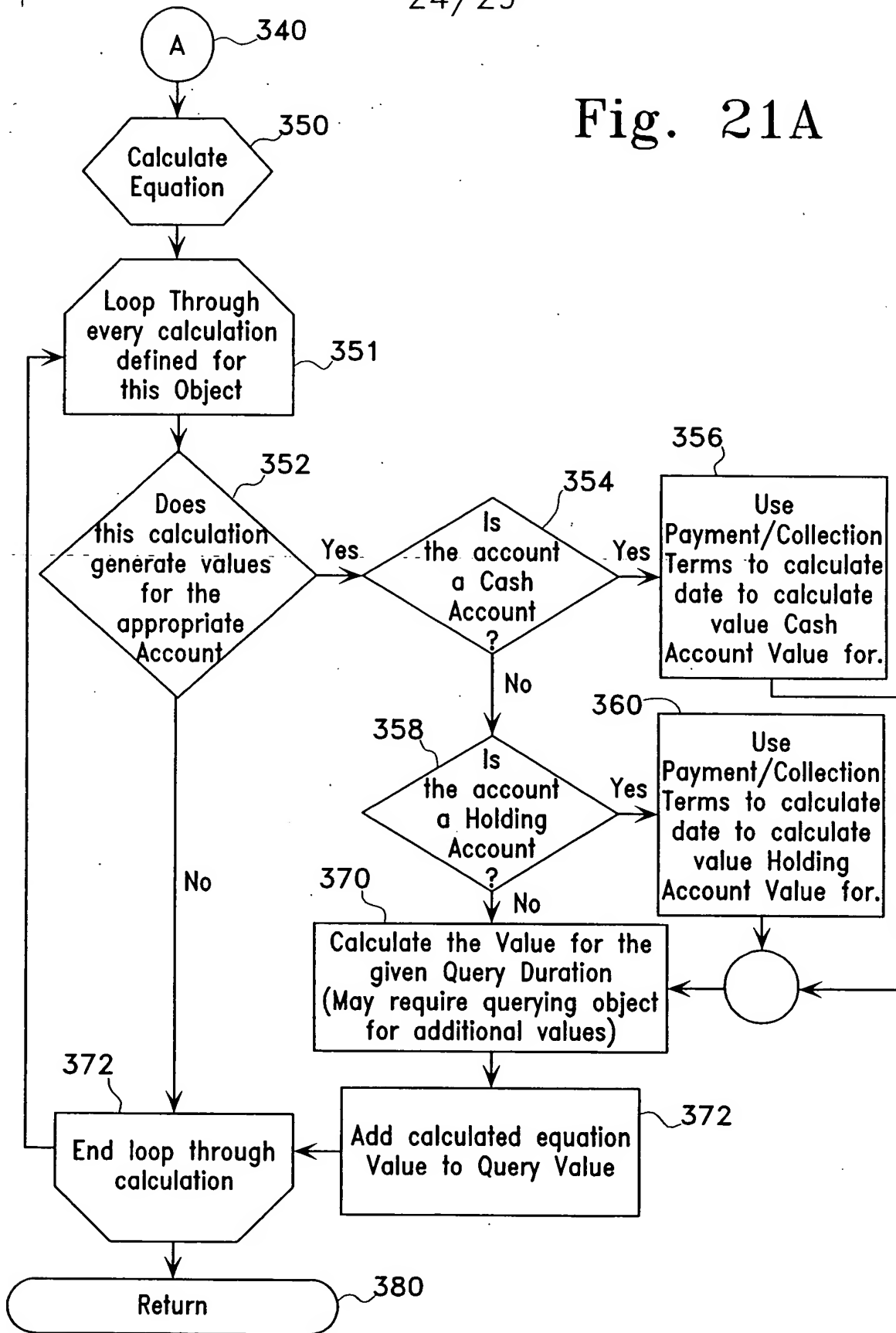
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Fig. 21



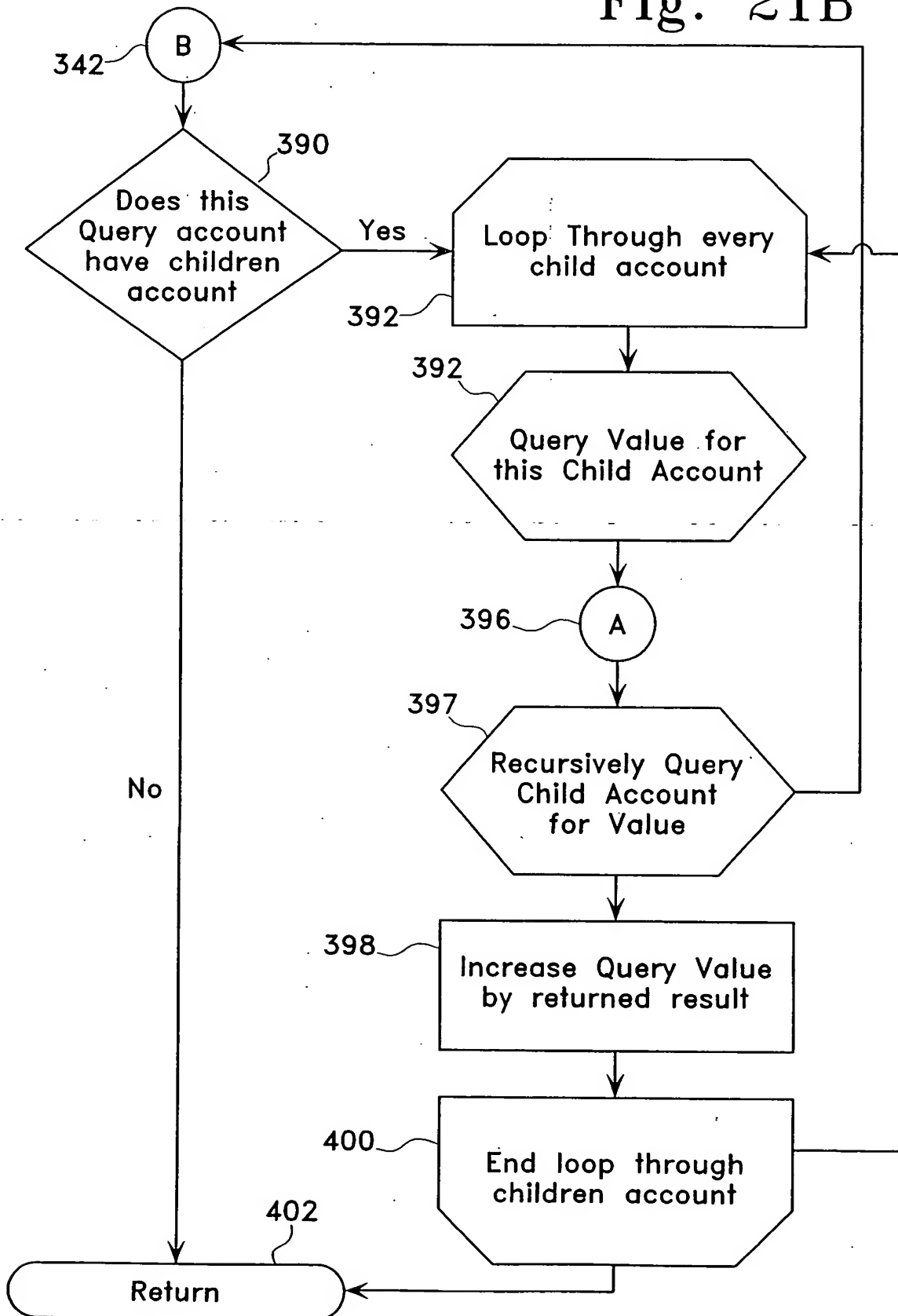
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Fig. 21A



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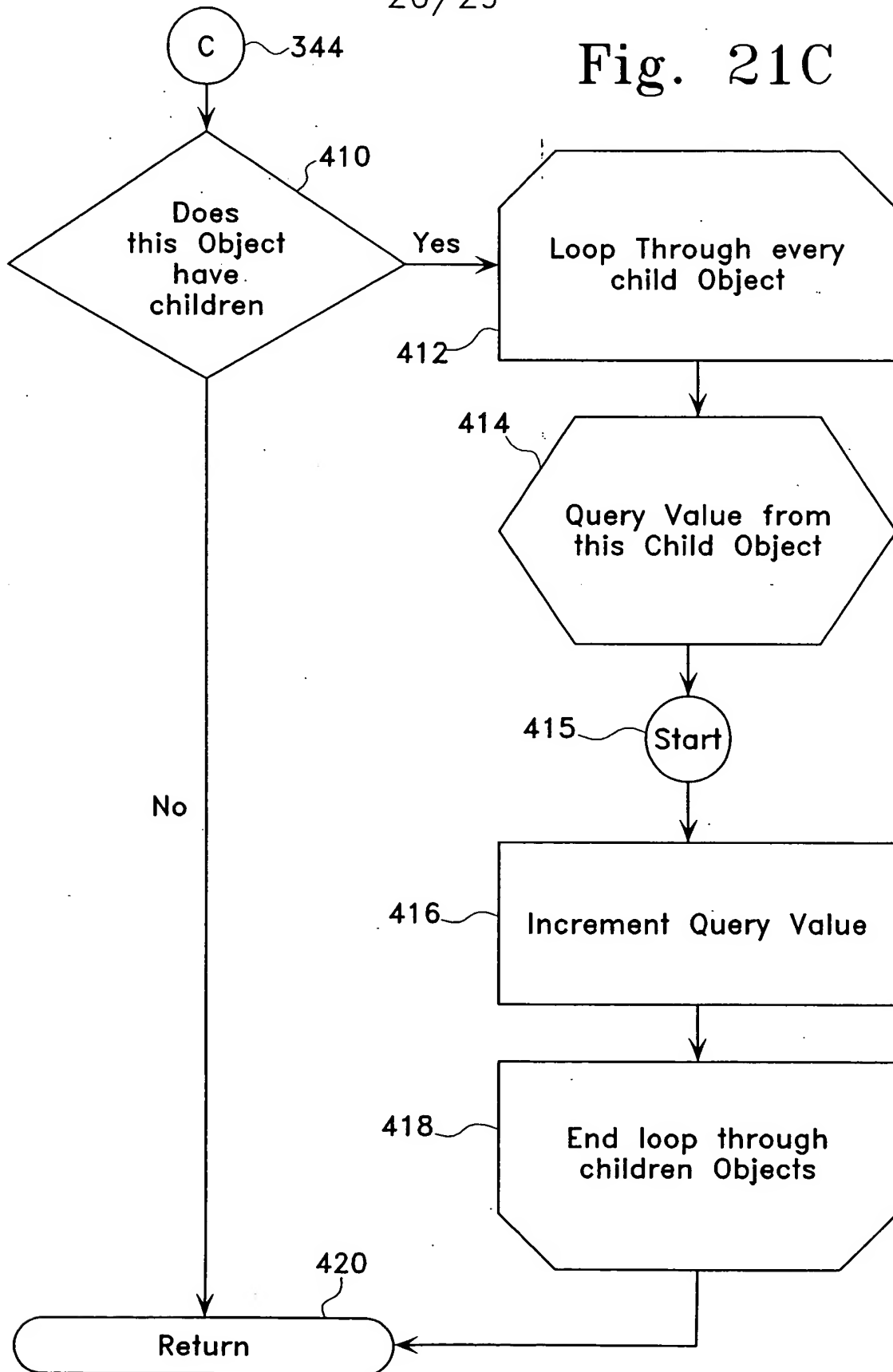
Fig. 21B



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Fig. 21C



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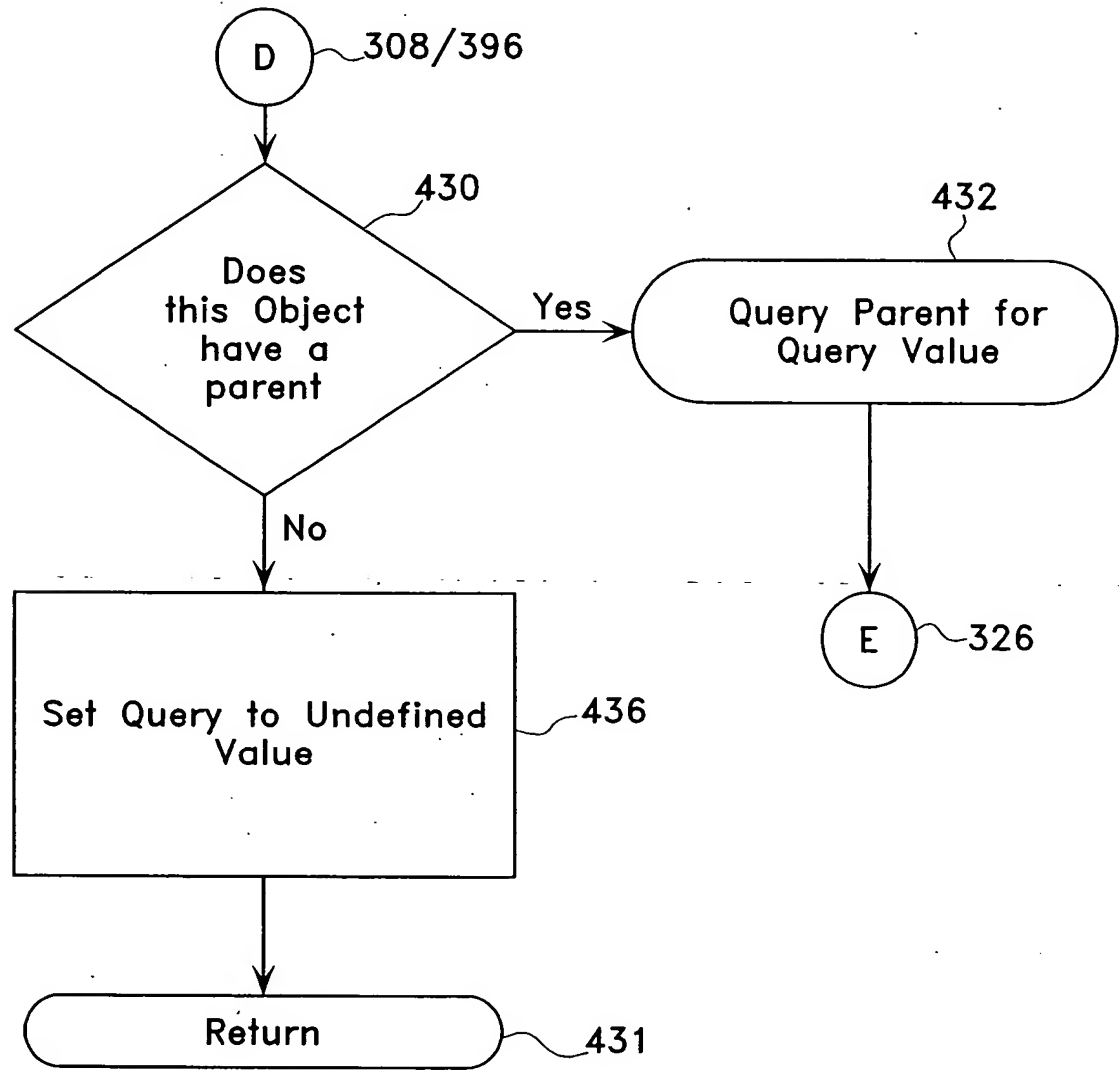


Fig. 21D

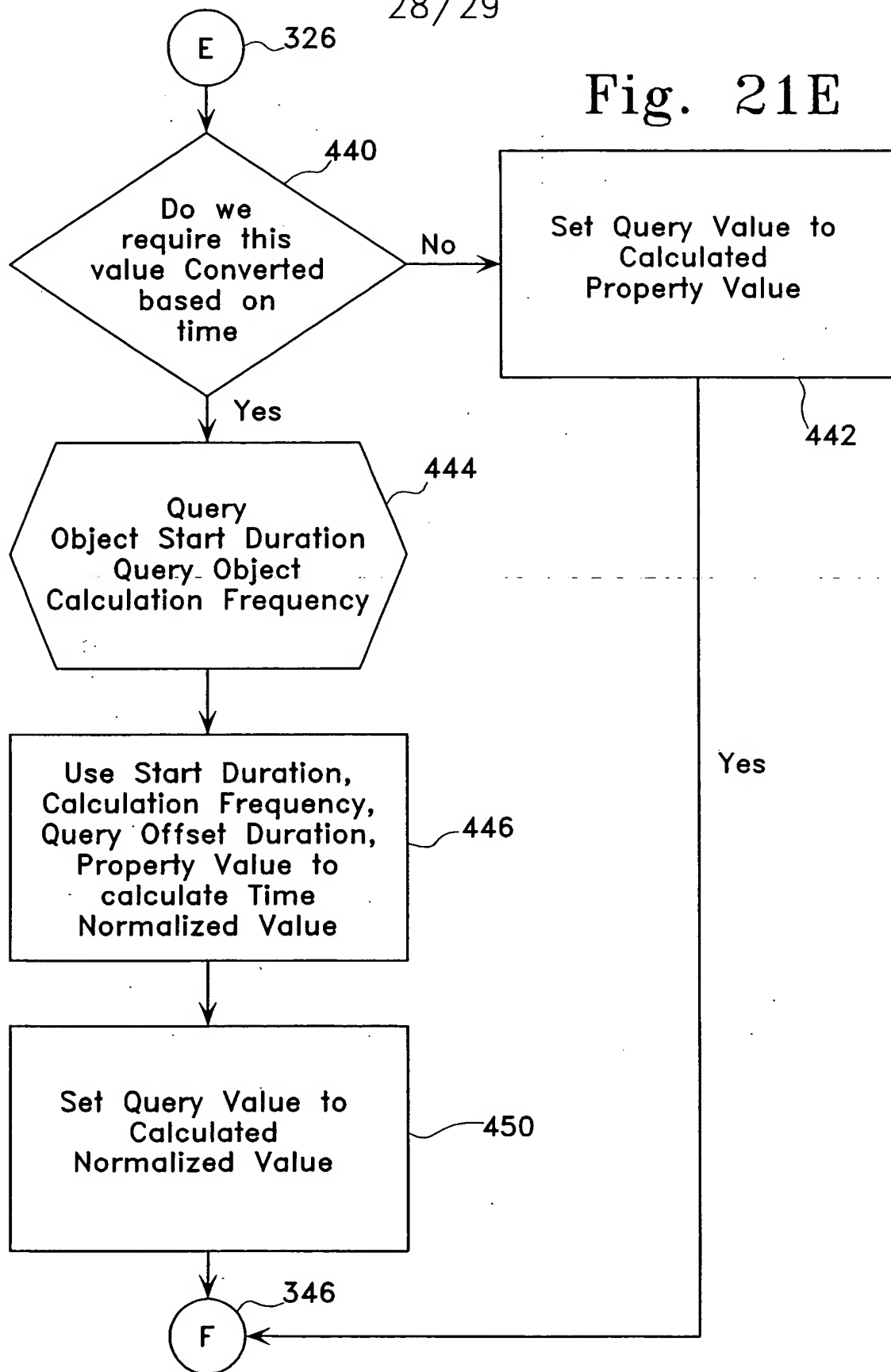
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Fig. 21E



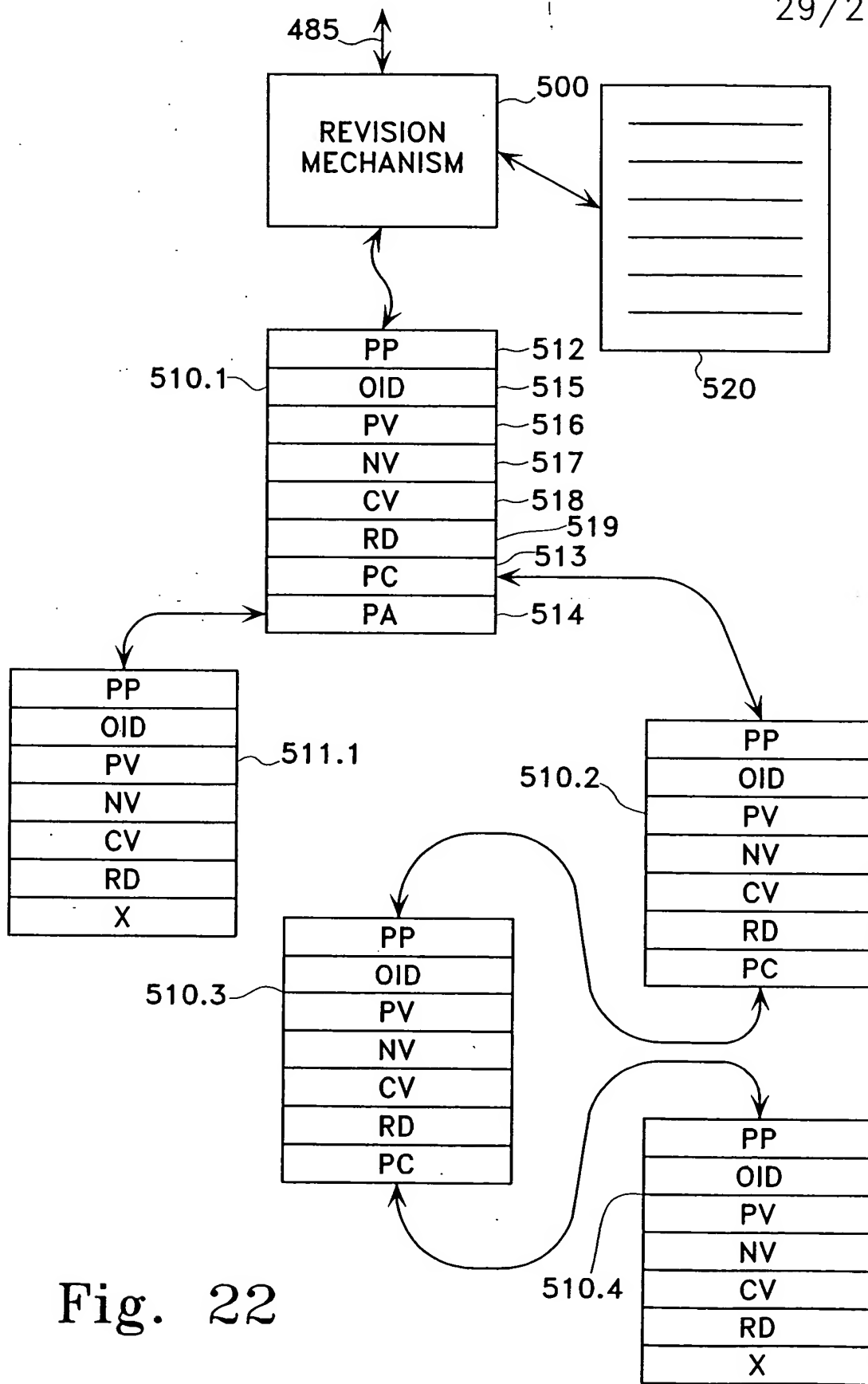


Fig. 22